



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Xing SU et al.

Examiner

Serial No: 09/904,039

Group Art Unit:

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PRELIMINARY AMENDMENT

Title: COMPLEXITY MANAGEMENT
AND ANALYSIS OF GENOMIC
DNA

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination of the above-referenced application, please enter the following amendments and remarks.

In the Specification:

Please insert the following at page 5, line 17:

Figure 18 is a schematic of a method of complexity reduction comprising digesting the DNA sample with one enzyme with a relatively rare restriction site and a second enzyme with a relatively frequent restriction site.

Please delete the paragraph beginning on page 12, line 23 and replace with the following:

The Type-IIs endonucleases, on the other hand, generally do not require palindromic recognition sequences. Additionally, these Type-IIs endonucleases also generally cleave outside of their recognition sites. For example, the Type-IIs endonuclease EarI recognizes and cleaves in the following manner:

C T C T T C N ↑ N N N N (SEQ ID NO: 1)